

Supplementary Files: Effect of Sows Gestational Methionine/Lysine Ratio on Maternal and Placental Hydrogen Sulfide Production

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Table S1. Ingredients and nutrient compositions of the experimental diets.

Item	Met/Lys=0.27	Met/Lys=0.32	Met/Lys=0.37	Met/Lys=0.42	Met/Lys=0.47
Feedstuff%					
Corn	10.00	10.00	10.00	10.00	10.00
Sorghum	24.54	24.54	24.54	24.54	24.54
Barley	37.89	37.89	37.89	37.89	37.89
Soybeanhulls	2.00	2.00	2.00	2.00	2.00
Ricebran	7.50	7.50	7.50	7.50	7.50
Soybeanmeal	9.35	9.35	9.35	9.35	9.35
Palmmeal	5.00	5.00	5.00	5.00	5.00
98%Lysine	0.28	0.28	0.28	0.28	0.28
DL-methionine	0.00	0.04	0.07	0.11	0.14
L-threonine	0.10	0.10	0.10	0.10	0.10
Limestone	1.44	1.43	1.42	1.42	1.40
Calciumphosphate (monocalcium)	0.89	0.88	0.87	0.84	0.83
Sodiumchloride	0.47	0.46	0.44	0.44	0.43
Cholinechloride	0.14	0.14	0.14	0.14	0.14
Premix ¹	0.40	0.40	0.40	0.40	0.40
Total%	100.00	100.00	100.00	100.00	100.00
Composition (calculated) ¹					
NEkcal/kg	2317.25	2318.70	2320.15	2321.60	2323.04
CP%	13.92	13.94	13.96	13.98	14.00
SIDLys%	0.71	0.71	0.71	0.71	0.71
SIDMet%	0.19	0.23	0.26	0.30	0.33
SIDThr%	0.48	0.48	0.48	0.48	0.48
SIDTrp%	0.14	0.14	0.14	0.14	0.14
Met/Lys	0.27	0.32	0.37	0.42	0.47
CF%	3.57	3.57	3.57	3.57	3.57
NDF%	14.53	14.53	14.53	14.53	14.53
ADF%	7.78	7.78	7.78	7.78	7.78
Starch%	44.74	44.74	44.74	44.74	44.74
Ash%	6.03	5.99	5.96	5.92	5.89
Ca%	1.22	1.21	1.21	1.20	1.20
P%	1.05	1.05	1.04	1.04	1.03

¹Calculated chemical concentrations using values for feed ingredients from NRC (2012) [1].

References

1. National Research Council. *Nutrient Requirements of Swine*, 11th Edition; The National Academies Press and the Transportation Research Board: Washington, D.C., USA, 2012, pp. 44.